

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011124.D
 Acq On : 30 May 2019 01:10
 Operator : SY/MD
 Sample : K3017-14
 Misc : 5.93G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E7

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.309	62	68	76	rVB	223470	208165	14.33%	1.722%
2	1.380	86	90	98	rVB	78761	75962	5.23%	0.628%
3	1.553	139	144	153	rVB	155340	178962	12.32%	1.481%
4	2.113	310	318	330	rVB2	345041	511066	35.18%	4.228%
5	2.881	554	557	559	rVB3	919	571	0.04%	0.005%
6	3.058	602	612	622	rBV5	8789	16954	1.17%	0.140%
7	3.171	643	647	649	rBV4	1746	1452	0.10%	0.012%
8	3.267	674	677	680	rBV4	1614	1144	0.08%	0.009%
9	3.392	711	716	718	rBV3	1849	991	0.07%	0.008%
10	3.437	728	730	733	rBV4	758	273	0.02%	0.002%
11	3.618	782	786	788	rBV4	881	657	0.05%	0.005%
12	3.653	794	797	799	rBV3	822	484	0.03%	0.004%
13	3.663	799	800	802	rVB2	695	189	0.01%	0.002%
14	3.688	806	808	812	rVB5	806	527	0.04%	0.004%
15	3.743	812	825	841	rBV3	24184	61136	4.21%	0.506%
16	3.862	859	862	864	rBV2	1346	907	0.06%	0.008%
17	3.929	872	883	904	rBV	69270	176541	12.15%	1.460%
18	4.212	966	971	974	rBV7	889	936	0.06%	0.008%
19	4.241	977	980	984	rVB5	1473	884	0.06%	0.007%
20	4.257	984	985	987	rBV2	397	179	0.01%	0.001%
21	4.286	993	994	997	rBV3	1044	470	0.03%	0.004%
22	4.306	999	1000	1003	rVV3	911	344	0.02%	0.003%
23	4.389	1005	1026	1050	rBV	223121	556961	38.33%	4.608%
24	4.759	1139	1141	1145	rVB3	920	463	0.03%	0.004%
25	4.830	1161	1163	1165	rBV2	1327	526	0.04%	0.004%
26	4.852	1168	1170	1173	rVB3	2108	1023	0.07%	0.008%
27	4.868	1173	1175	1176	rVB2	500	168	0.01%	0.001%
28	4.878	1176	1178	1179	rBV2	686	303	0.02%	0.003%
29	4.888	1179	1181	1182	rBV	428	149	0.01%	0.001%
30	4.910	1185	1188	1190	rBV3	1092	659	0.05%	0.005%
31	4.942	1196	1198	1204	rVB5	1424	1009	0.07%	0.008%
32	4.981	1209	1210	1211	rBV	576	167	0.01%	0.001%
33	5.019	1220	1222	1224	rVB3	738	229	0.02%	0.002%
34	5.087	1224	1243	1273	rBV2	588640	1452896	100.00%	12.020%

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 Title : VOC Analysis

35	5.370	1320	1331	1342	rBV4	13705	30851	2.12%	0.255%
36	5.502	1369	1372	1373	rBV3	2144	1436	0.10%	0.012%
37	5.656	1407	1420	1442	rBV	483083	959848	66.06%	7.941%
38	6.052	1539	1543	1547	rBV7	1022	981	0.07%	0.008%
39	6.113	1548	1562	1581	rVV	336214	677454	46.63%	5.604%
40	6.325	1619	1628	1650	rBV	108838	207516	14.28%	1.717%
41	6.543	1693	1696	1700	rBV6	1227	725	0.05%	0.006%
42	6.788	1768	1772	1774	rBV5	564	357	0.02%	0.003%
43	6.804	1774	1777	1779	rBV4	1145	852	0.06%	0.007%
44	6.926	1813	1815	1816	rBV	965	387	0.03%	0.003%
45	6.936	1816	1818	1820	rVB3	874	389	0.03%	0.003%
46	7.026	1833	1846	1861	rBV	196081	345642	23.79%	2.859%
47	7.241	1911	1913	1916	rVB3	1004	396	0.03%	0.003%
48	7.357	1938	1949	1965	rVB	681570	1163626	80.09%	9.627%
49	7.659	2033	2043	2056	rBV	133357	226546	15.59%	1.874%
50	7.910	2119	2121	2125	rVB5	1071	612	0.04%	0.005%
51	7.929	2125	2127	2128	rBV3	727	342	0.02%	0.003%
52	7.978	2132	2142	2157	rVV	34322	68295	4.70%	0.565%
53	8.087	2173	2176	2178	rBV3	1263	840	0.06%	0.007%
54	8.129	2179	2189	2217	rVV	277864	505822	34.81%	4.185%
55	8.280	2225	2236	2264	rBV	624092	1023257	70.43%	8.465%
56	8.576	2325	2328	2329	rBV3	805	402	0.03%	0.003%
57	8.621	2340	2342	2345	rVB4	1819	1018	0.07%	0.008%
58	8.646	2345	2350	2354	rBV7	1749	1840	0.13%	0.015%
59	8.736	2373	2378	2379	rBV5	1678	1496	0.10%	0.012%
60	8.826	2402	2406	2408	rBV4	1369	970	0.07%	0.008%
61	8.894	2408	2427	2454	rVV	702600	1157202	79.65%	9.573%
62	9.186	2510	2518	2525	rBV8	4031	7923	0.55%	0.066%
63	9.457	2598	2602	2603	rBV3	1825	940	0.06%	0.008%
64	9.527	2615	2624	2632	rBV3	12215	25095	1.73%	0.208%
65	9.749	2686	2693	2701	rBV4	3830	6032	0.42%	0.050%
66	9.849	2715	2724	2739	rBV2	61026	103716	7.14%	0.858%
67	10.077	2792	2795	2796	rBV2	1396	754	0.05%	0.006%
68	10.100	2801	2802	2804	rBV2	663	335	0.02%	0.003%
69	10.260	2841	2852	2869	rVB	320839	502393	34.58%	4.156%
70	10.366	2882	2885	2887	rBV4	903	706	0.05%	0.006%
71	10.421	2895	2902	2919	rVB3	42493	73100	5.03%	0.605%

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72	10.518	2930	2932	2935	rBV4	1313	1025	0.07%	0.008%
73	10.559	2935	2945	2957	rVV8	10286	21723	1.50%	0.180%
74	10.624	2958	2965	2981	rVB4	15772	28628	1.97%	0.237%
75	10.727	2993	2997	2998	rBV3	1201	875	0.06%	0.007%
76	11.196	3133	3143	3161	rBV2	42940	81759	5.63%	0.676%
77	11.292	3162	3173	3191	rVB	480655	757882	52.16%	6.270%
78	11.518	3241	3243	3245	rBV3	1032	417	0.03%	0.003%
79	11.537	3247	3249	3250	rVB2	813	231	0.02%	0.002%
80	11.546	3250	3252	3253	rBV	660	269	0.02%	0.002%
81	11.579	3255	3262	3277	rVB5	8489	15222	1.05%	0.126%
82	11.669	3279	3290	3304	rBV	430281	685944	47.21%	5.675%
83	12.055	3403	3410	3421	rBV6	14585	24529	1.69%	0.203%
84	12.292	3476	3484	3496	rVB2	18783	31747	2.19%	0.263%
85	12.392	3507	3515	3527	rBV2	26110	41147	2.83%	0.340%
86	12.553	3563	3565	3567	rBV3	759	425	0.03%	0.004%
87	12.601	3576	3580	3581	rBV2	2875	2088	0.14%	0.017%
88	12.720	3607	3617	3626	rBV10	8714	14319	0.99%	0.118%
89	12.755	3626	3628	3630	rBV3	776	276	0.02%	0.002%
90	12.784	3631	3637	3649	rVB3	4207	7115	0.49%	0.059%
91	12.971	3693	3695	3697	rBV4	989	514	0.04%	0.004%
92	13.315	3796	3802	3809	rBV9	1792	2286	0.16%	0.019%
93	13.444	3839	3842	3845	rBV5	1364	786	0.05%	0.007%
94	13.485	3845	3855	3865	rBV5	5184	10676	0.73%	0.088%
95	13.829	3960	3962	3967	rVB4	792	505	0.03%	0.004%
96	13.852	3967	3969	3972	rBV4	1502	878	0.06%	0.007%
97	14.022	4020	4022	4025	rBV4	1152	548	0.04%	0.005%
98	14.305	4108	4110	4113	rBV4	1274	780	0.05%	0.006%
99	14.855	4276	4281	4282	rBV5	1772	903	0.06%	0.007%
100	15.492	4476	4479	4480	rBV3	1471	788	0.05%	0.007%

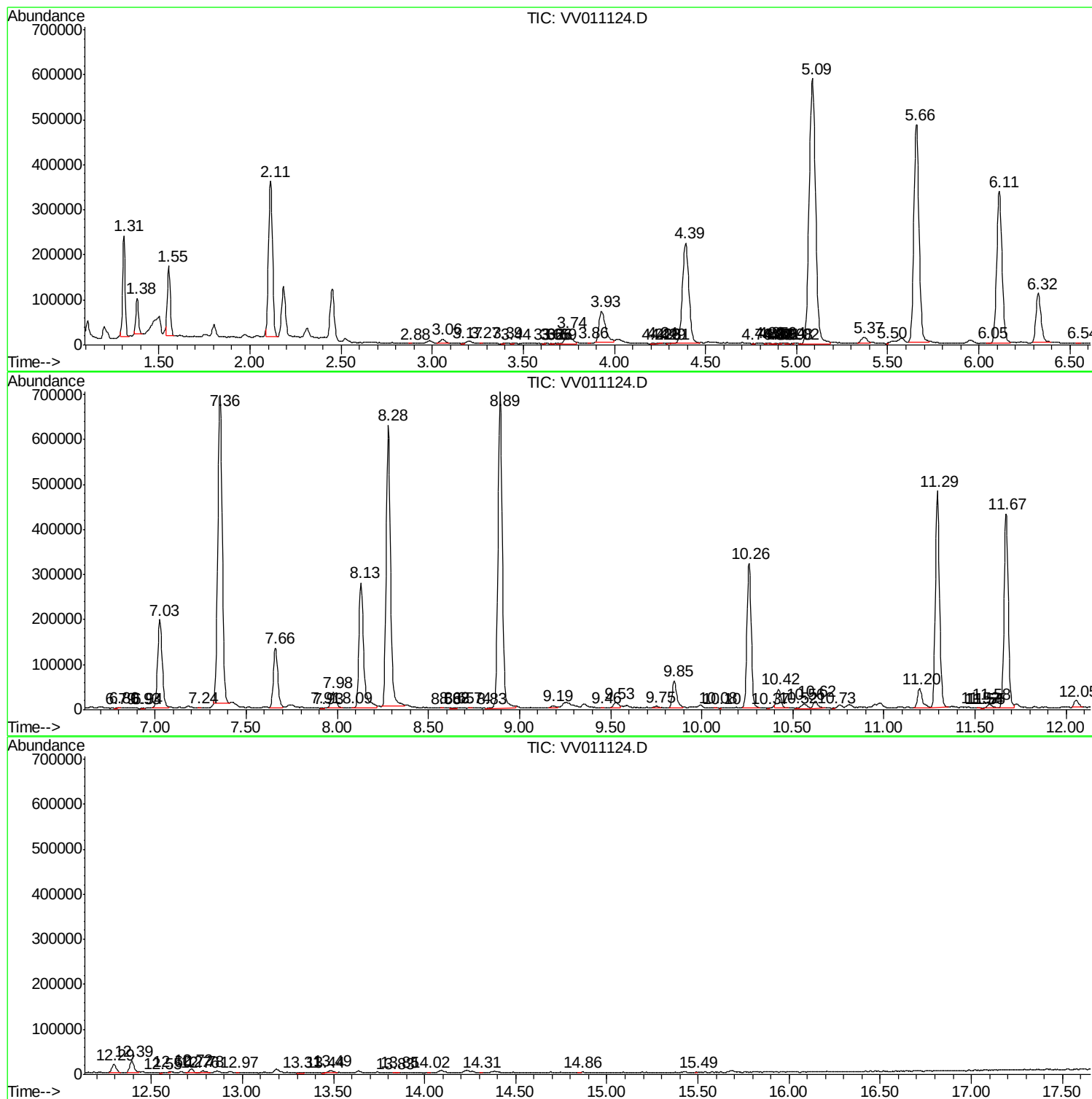
Sum of corrected areas: 12087728

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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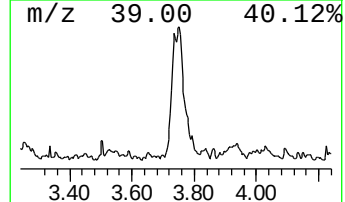
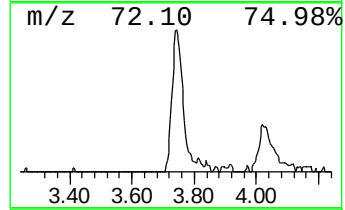
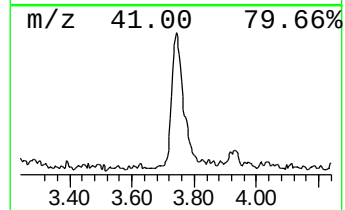
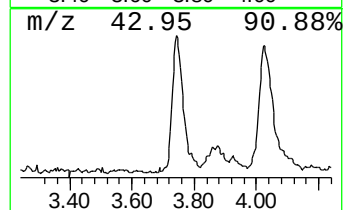
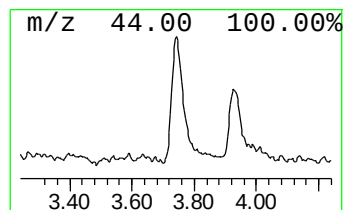
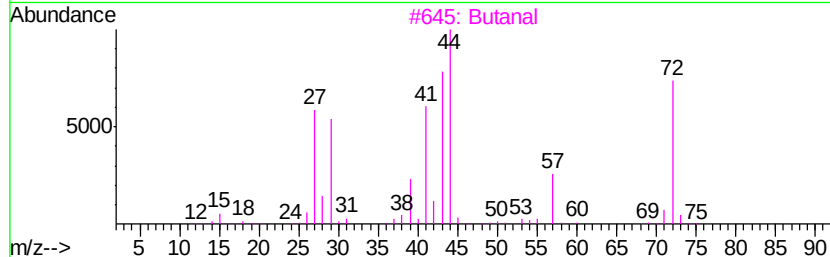
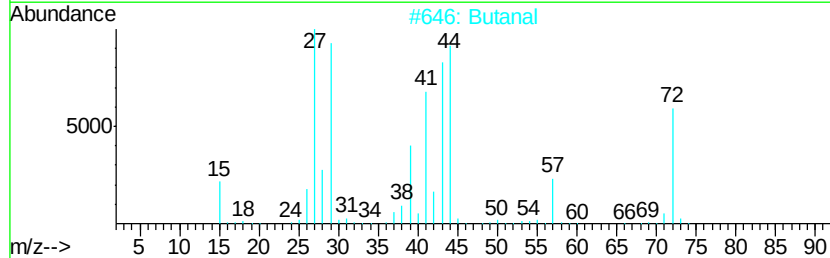
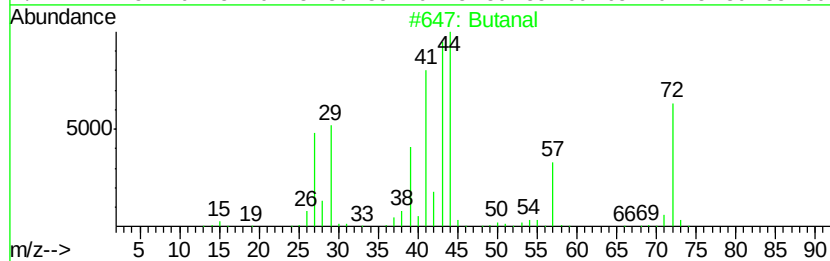
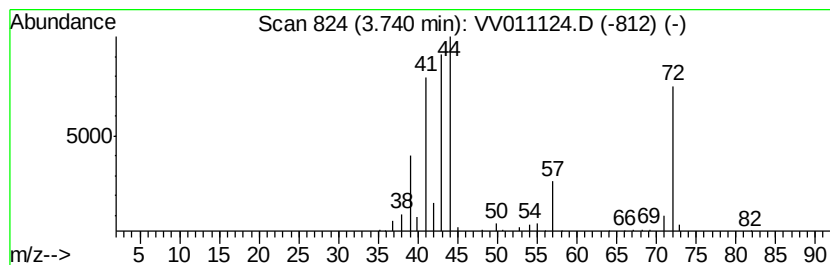
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	1.59 ug/L	61136	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	94
2		Butanal	72	C4H8O	000123-72-8	91
3		Butanal	72	C4H8O	000123-72-8	74
4		Butanal	72	C4H8O	000123-72-8	72
5		5,9-Dodecadien-2-one, 6,10-dimet...	208	C14H24O	1000132-10-9	47



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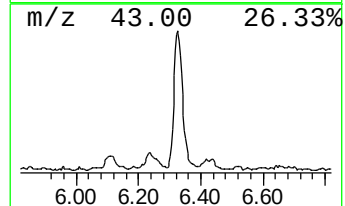
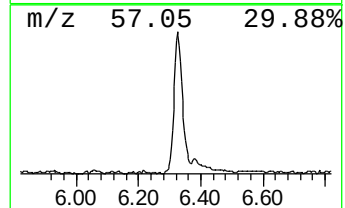
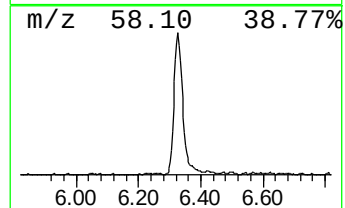
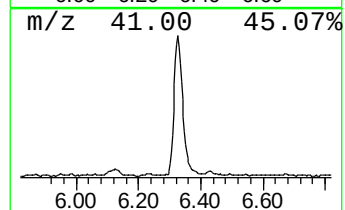
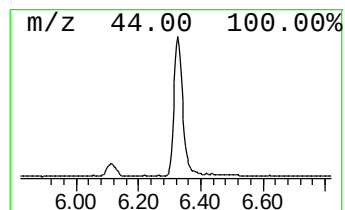
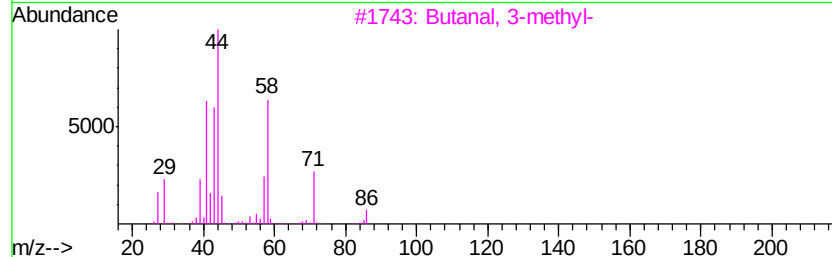
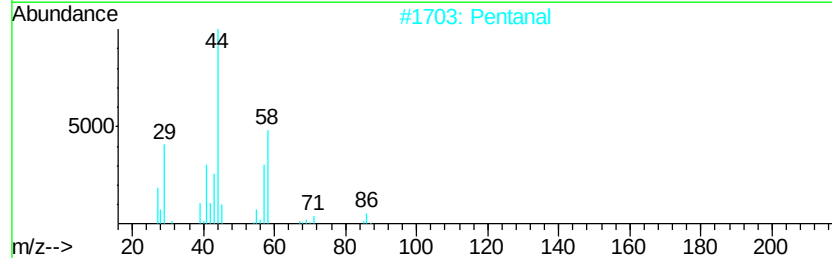
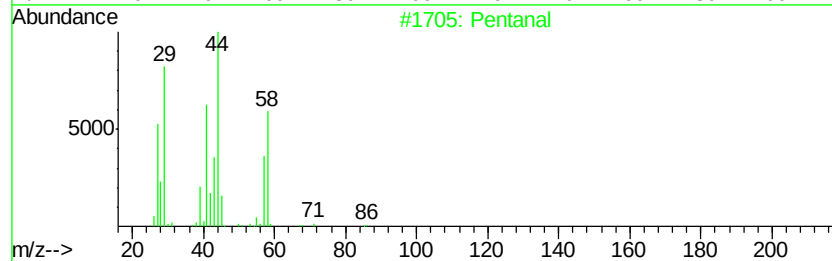
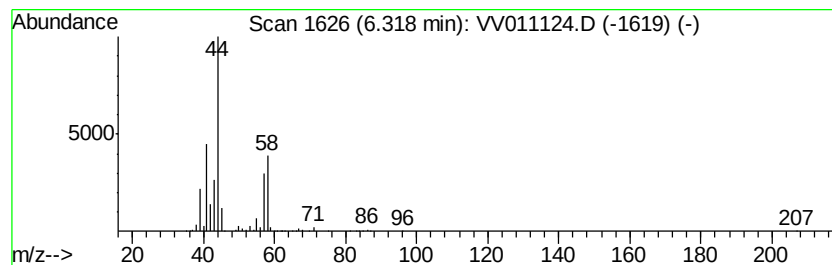
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	5.40 ug/L	207516	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	91
2		Pentanal	86	C5H10O	000110-62-3	78
3		Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
5		Pentanal	86	C5H10O	000110-62-3	43



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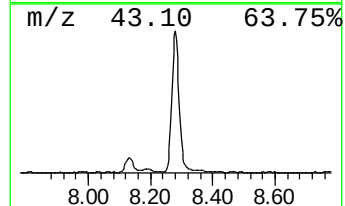
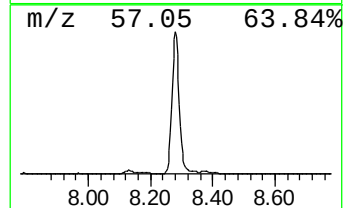
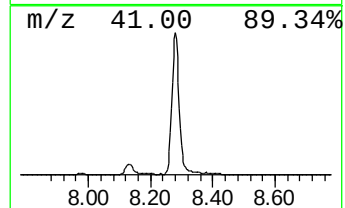
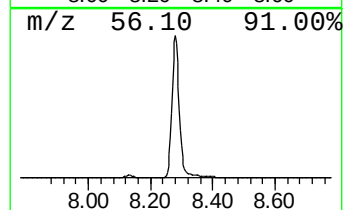
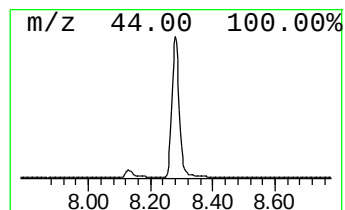
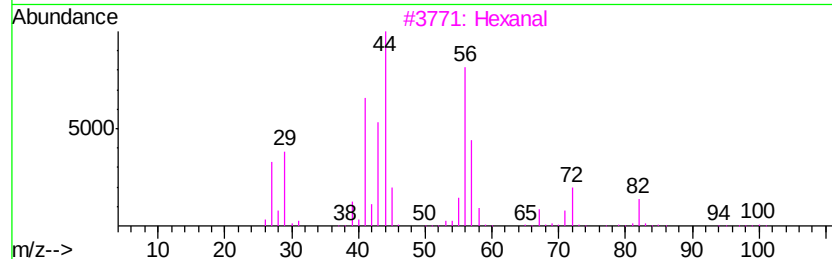
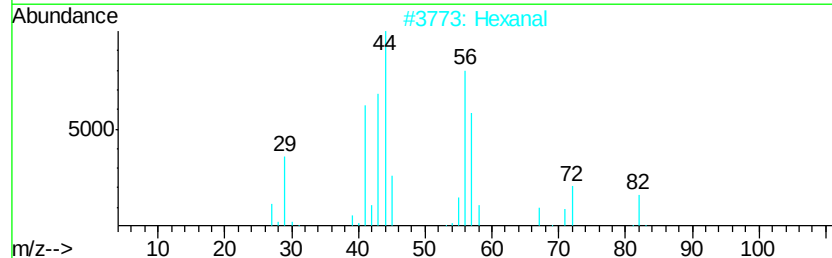
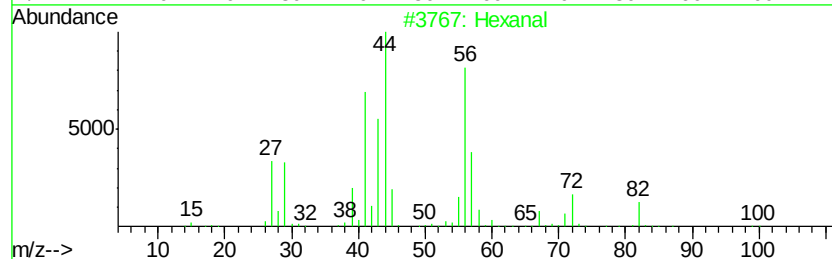
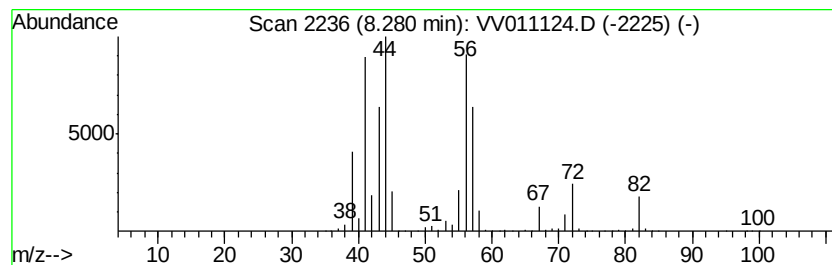
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	22.11 ug/L	1023260	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal		100	C6H12O	000066-25-1	87
2	Hexanal		100	C6H12O	000066-25-1	80
3	Hexanal		100	C6H12O	000066-25-1	80
4	Hexanal		100	C6H12O	000066-25-1	64
5	Glutaraldehyde		100	C5H8O2	000111-30-8	38



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Acq On : 30 May 2019 01:10
Operator : SY/MD
Sample : K3017-14
Misc : 5.93G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E7

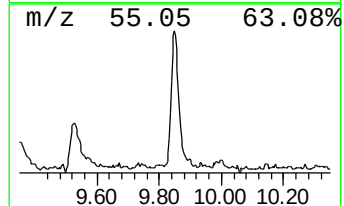
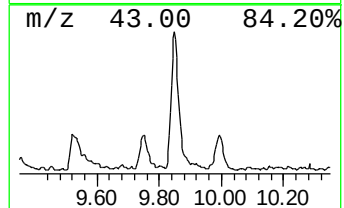
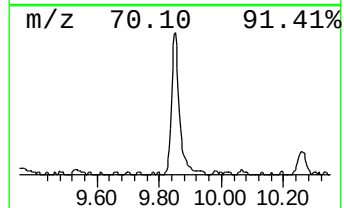
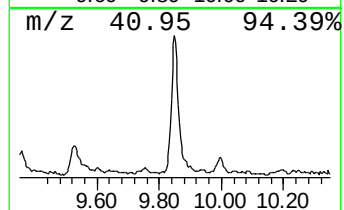
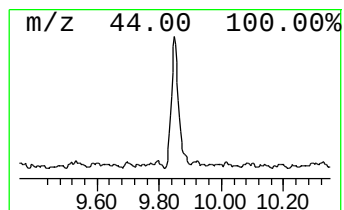
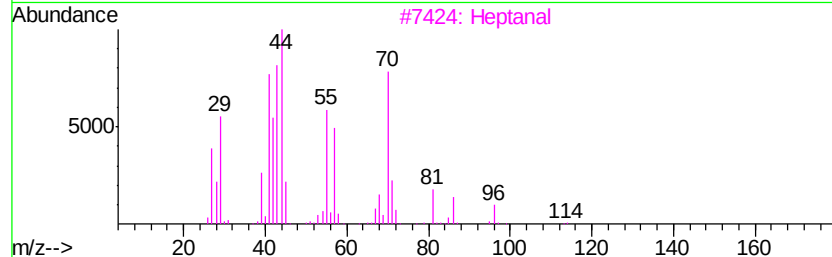
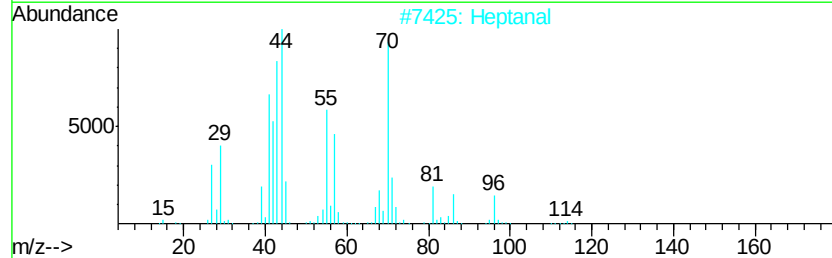
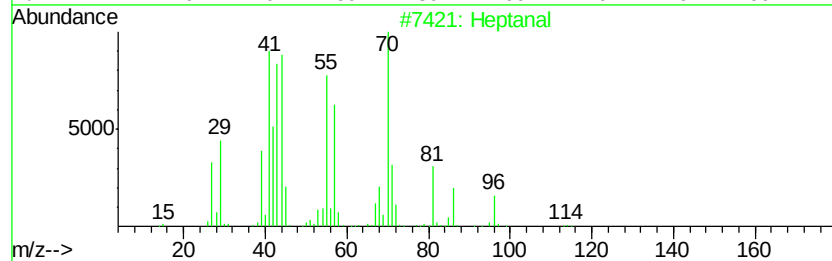
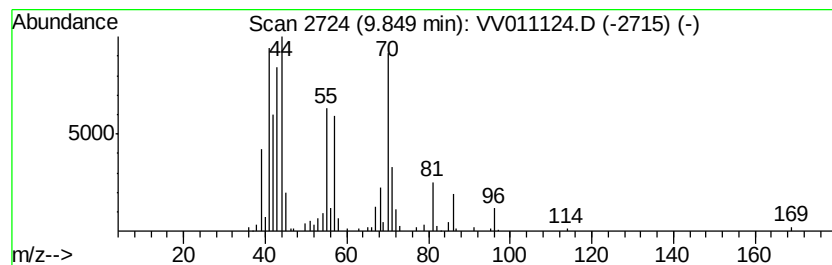
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.24 ug/L	103716	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanal	114	C7H14O	000111-71-7	95
2		Heptanal	114	C7H14O	000111-71-7	93
3		Heptanal	114	C7H14O	000111-71-7	64
4		1-Methyl-2-pyrrolidone-4-carboxa...	142	C6H10N2O2	089677-16-7	50
5		Heptanal	114	C7H14O	000111-71-7	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011124.D
Acq On : 30 May 2019 01:10
Operator : SY/MD
Sample : K3017-14
Misc : 5.93G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

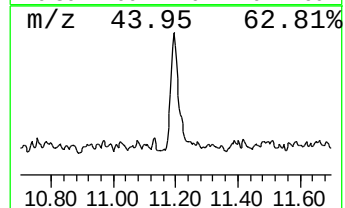
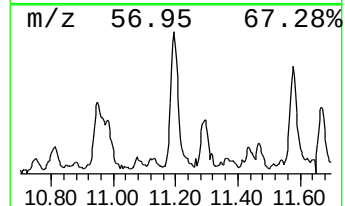
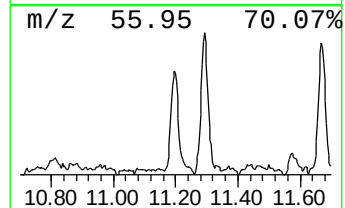
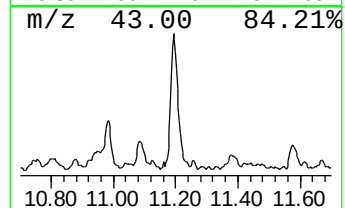
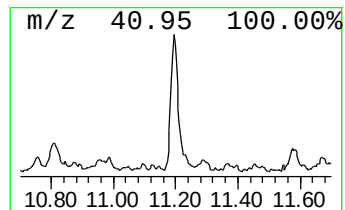
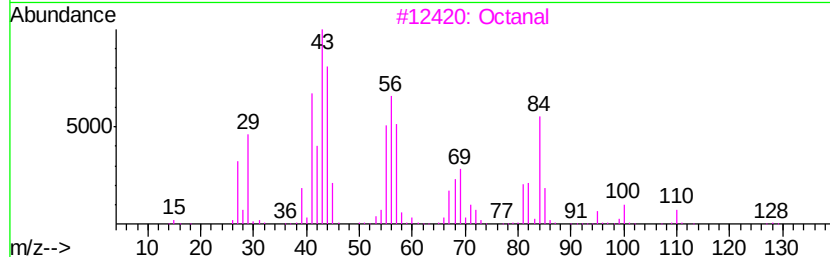
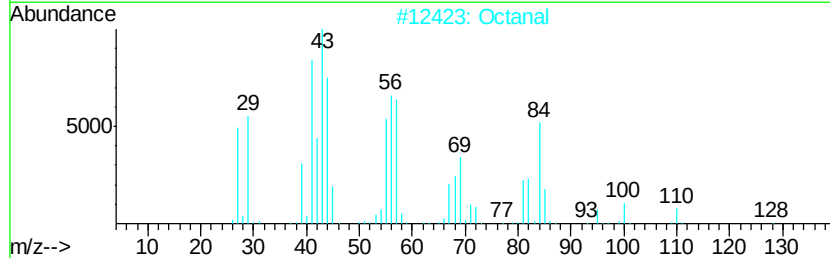
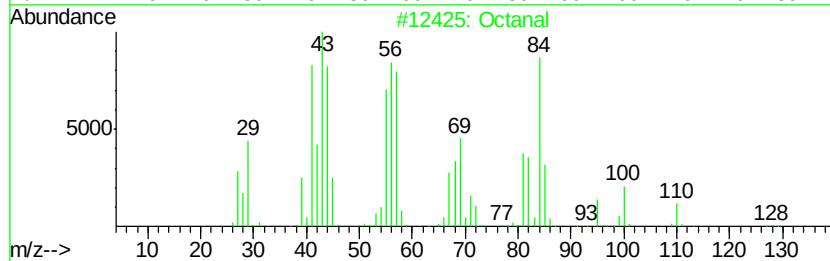
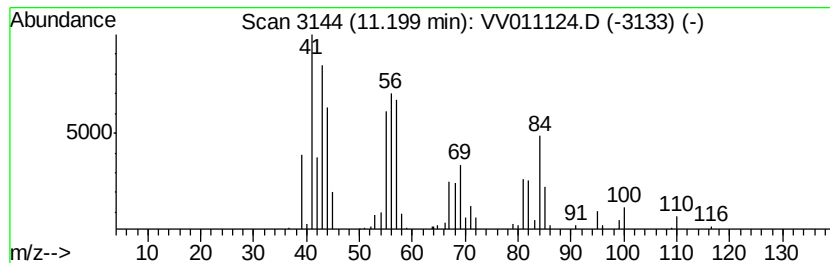
Instrument :
MSVOA_V
ClientSampleId :
A51E7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.70 ug/L	81759	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octanal		128 C8H16O	000124-13-0 87
2	Octanal		128 C8H16O	000124-13-0 86
3	Octanal		128 C8H16O	000124-13-0 80
4	Octanal		128 C8H16O	000124-13-0 74
5	Octanal		128 C8H16O	000124-13-0 59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052919\
Data File : VV011124.D
Acq On : 30 May 2019 01:10
Operator : SY/MD
Sample : K3017-14
Misc : 5.93G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E7

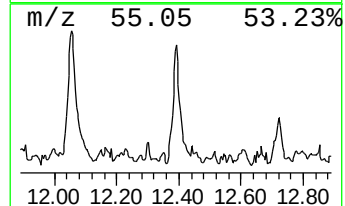
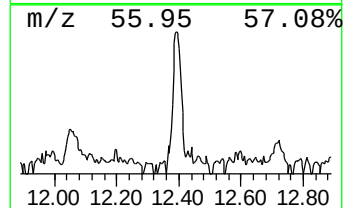
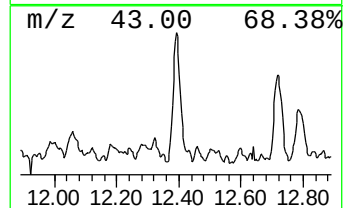
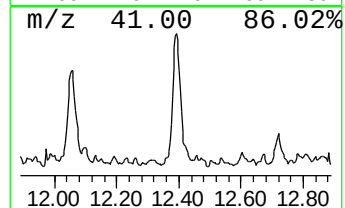
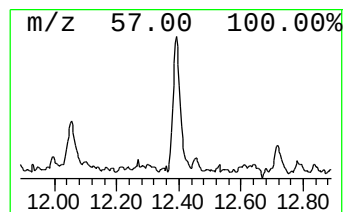
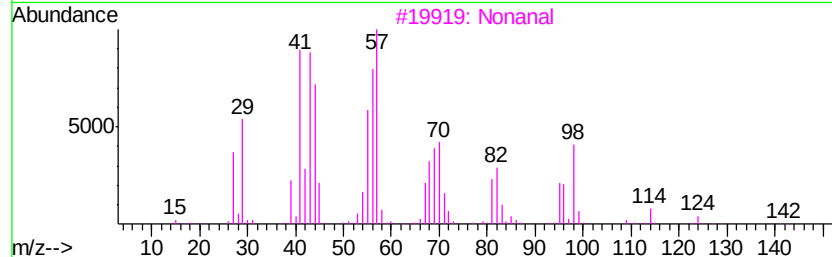
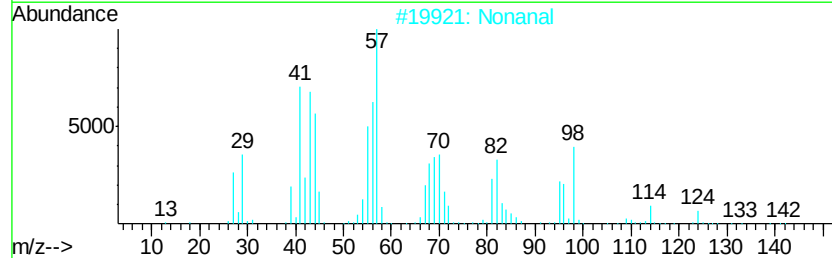
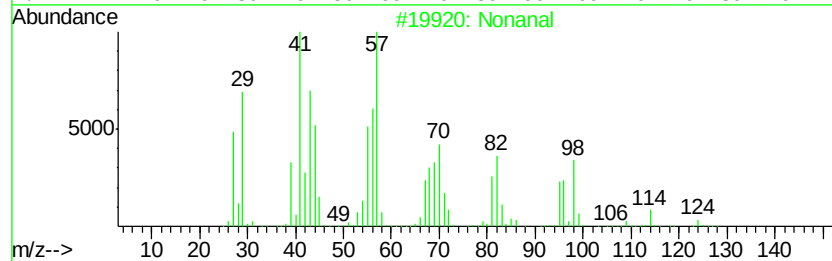
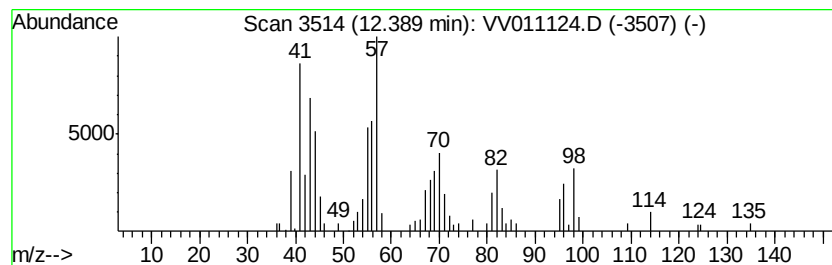
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Nonanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.36 ug/L	41147	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	87
2			Nonanal	142	C9H18O	000124-19-6	87
3			Nonanal	142	C9H18O	000124-19-6	80
4			Cyclohexanol, 4-methyl-	114	C7H14O	000589-91-3	49
5			Cycloheptane	98	C7H14	000291-64-5	41



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052919\
Data File : VV011124.D
Acq On : 30 May 2019 01:10
Operator : SY/MD
Sample : K3017-14
Misc : 5.93G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51E7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butanal	3.74	1.6	ug/L	61136	1	5.66	959848	25.0
Pentanal	6.32	5.4	ug/L	207516	1	5.66	959848	25.0
Hexanal	8.28	22.1	ug/L	1023260	2	8.89	1157200	25.0
Heptanal	9.85	2.2	ug/L	103716	2	8.89	1157200	25.0
Octanal	11.20	2.7	ug/L	81759	3	11.29	757882	25.0
Nonanal	12.39	1.4	ug/L	41147	3	11.29	757882	25.0